Inshamul Haque

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Education

Aligarh Muslim University	**Aligarh, Uttar Pradesh, India**
Bachelor of Technology in Computer Engineering — GPA: 9.1	*Sep 2022 – Present*

Relevant Coursework

- Algorithms & Data Structures
- Computer Networks
- Software Engineering
- Operating Systems
- Database Systems
- Digital Logic Design

Applied database concepts and concurrency patterns in projects involving transaction management and SaaS systems.

Experience

Software Engineer Intern	**May 2025 – Aug 2025**
Aura AI	*Remote*

- Developed 10+ AI-powered tools enhancing educator-student interaction, deployed to 1,000+ active users.
- Implemented React and Node.js features, optimizing database queries and reducing page load times by 35%.
- Contributed production-ready code in a fast-paced 5-member agile development team, delivering scalable features within two-week sprints.

Projects

VisuoAI | *Next.js, Node.js, Remotion, PostgreSQL, Redux, LLM, AWS S3* ⬛ ⬀ **June 2025**

- Designed and deployed an AI-powered animation platform that transforms natural language prompts into interactive math and science explainer videos, integrated with a browser-based lightweight video editor for real-time customization.
- Produced 50+ interactive videos and optimized Remotion–Manim rendering pipeline, reducing latency by 35% and enabling smoother playback and faster content generation for STEM learners.
- Supported rendering of 12+ mathematical visualization types, improving conceptual clarity for STEM learners.

Financeer | *React, Node.js, OpenAI, MongoDB, Tailwind, JWT* ⬛ ⬀ **Aug 2025**

- Built a robust personal finance application with interactive real-time dashboards tracking account balances, spending insights, savings goals, and investment data, improving user engagement and financial decision-making.
- OCR pipeline processed 100+ receipts with 90% accuracy, reducing manual transaction entry by 70%.
- Developed FinBot, handling 200+ queries, with markdown-rich replies and quizzes achieving 70%+ completion rates.

Bloggify | *TypeScript, React.js, Node.js, MongoDB, Prisma* ⬛ ⬀ **Feb 2025**

- Created developer blogging platform with BlockNote markdown editor supporting 12+ programming languages with syntax highlighting.
- Enabled seamless cross-integration to Medium and Hashnode, reducing content duplication effort by 60%, and implemented blogging portfolio embedding with customizable themes and author metadata, enabling developers to showcase personalized portfolios and enhance discoverability.
- Hosted 40+ technical blogs, allowing developers to write, edit, and publish content.

Achievements and Open Source Contributions

- Achieved **3rd Place** in the **International Finwell Hackathon**, competing among global teams to develop innovative financial solutions.
- **Open Source Contributor** at Alpha One Labs, contributing to the development and improvement of their education platform.
- Selected for the prestigious **Summer Research Fellowship Programme (SRFP) 2025**

Technical Skills

Programming Languages: TypeScript, JavaScript, C/C++, SQL, Java

Frameworks and Technologies: Linux, React, Next.js, Node.js, Tailwind CSS, Express.js, Docker, REST APIs, Redis, PostgreSQL, MongoDB, Prisma, Git, GitHub, LangChain, Generative AI

Cloud Platforms: Amazon Web Services (AWS)

Additional Skills: Technical Documentation, Code Review, API Integration, Database Optimization